MODIS sensor Working Group (MsWG) Meeting Summary September 7, 2011

Attendance: Junqiang Sun, Aisheng Wu, Amit Angal, Hongda Chen, Chris Moeller, Gary Toller, Richard Hansell, James Kuyper, Gene Eplee, Gerhard Meister, Robert Levy, Sadashiva Devadiga

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Item 1: Recent L1B LUT delivery

- Aqua C5 forward update – 5.0.39.18 (08/31/11) – m1
- Terra C6 update – 6.1.12.2 (8/31/11) – UI, QA
- Aqua C6 update – 6.1.15.0 (9/1/11) –UI, default b1, a0/a2

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations
- Aqua Drag Makeup Maneuver successfully completed on 2011/243 (08/31/11). Low fidelity pointing times are 2011/243 15:45:00-16:59:10.
- Terra SRCA Spectral Calibration Anomaly Update – SRCA was successfully commanded and all components currently in 'home' position – 08/26/11 (2011/238 13:59:23-14:11:11)

Item 3: MCST recent activities

- C6 updates/status – C6 uncertainty index update
  MCST will be delivering the updated Uncertainty Index (UI) LUT for both Terra and Aqua MODIS. The RSB UI LUT has been updated using the Approach II m1 and RVS whereas the TEB UI has been updated with a0 set to be equal to zero for the MWIR bands.
- C6 test results from Deep Blue
  Rick reported testing results of Deep Blue Aerosol Retrieval using MODIS C6 L1B. He showed three sets of results, first one generated with MCST App. I LUTs, second one produced using MCST App. I with correction provided by the OBPG group, and third one derived from MCST App. II LUTs. There are noticeable differences between the first and the second set of results while the third set of results matches the second one quite well. Using second one as reference, MCST App. II LUT improve the Deep Blue aerosol results compared to App. I LUTs. A more detailed analysis is still in progress

Item 4: Around the Table

- Chris and Aisheng discussed the impact of setting Terra a0 to be equal to zero on the mirror side differences. MCST will perform a more detailed analysis of this issue.

Next Meeting: ~September 21, 2011

Compiled by J. Sun